| 1   | nd                                      | lex | ^ | f i | la. | im   | •  |
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Application/Control No.

10/083,465 Examiner

Jude J. Jean-Gilles

Applicant(s)/Patent under Reexamination

ASAI ET AL.

Art Unit

2143

| J | Rejected |   | (Through numeral)<br>Cancelled |
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| = | Allowed  | ÷ | Restricted                     |

| 2 | Non-Elected  |
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| 1 | Interference |

| A | Appeal   |
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|             |  | L            | Ļ              |          |              |  | ļ        |              | $\Box$       |                 |  |
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| Cla         | im_  | Date         |                |          |              |  |          |              |              |                 |  |
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| Final       | Original   | 4/11/06      |                |          |              |  |          |              |              |                 |  |
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| •           | 2  | 1            |                |          |              |  |          |              |              |                 |  |
|             | 1<br>2<br>3<br>4<br>5<br>6<br>7  | V            |                |          |              |  |          |              |              |                 |  |
|             | 4  | 7            |                |          |              |  |          |              |              |                 |  |
|             | 5  | 1            |                |          |              |  |          |              |              |                 |  |
|             | 6  | 1            |                |          |              |  |          |              |              |                 |  |
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|             | 8 9  | H            |                | _        |              |  |          |              |              | Н               |  |
|             | 10   | П            | П              |          |              |  |          |              |              | П               |  |
| <u> </u>    | 11   |              |                |          |              |  |          |              |              | П               |  |
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|             | 13   |              |                |          |              | $\Box$   | $\vdash$ | Т            |              | Н               |  |
|             | 14   |              | $\vdash$       | $\vdash$ |              | $\vdash$   | $\vdash$ |              |              | $\vdash$        |  |
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|             | 10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23<br>24<br>25<br>26<br>27<br>28<br>29 |              | $\vdash$       |          |              |  | $\vdash$ | -            |              | $\vdash$        |  |
|             | 17   |              | $\vdash$       |          |              |  | $\vdash$ |              |              | Н               |  |
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|             | 10   |              | $\vdash$       | _        |              | -  | -        | _            | -            | Н               |  |
|             | 20   | $\vdash$     | $\vdash$       | _        | _            |  |          | _            | $\vdash$     | Н               |  |
|             | 21   | -            | $\vdash$       |          |              | H  |          |              |              | -               |  |
|             | 22   | -            | ┝              |          | _            | $\vdash$   | _        | _            | _            | $\vdash$        |  |
|             | 22   |              |                | H        | _            | -  | _        | _            | _            | -               |  |
| <u> </u>    | 24   |              | ┝              | $\vdash$ | _            | -  |          |              |              |                 |  |
|             | 25   | -            | $\vdash$       | ┢╌       | _            | $\vdash$   | -        | -            |              | Н               |  |
|             | 26   |              | ┢              | $\vdash$ | $\vdash$     | ┢  | -        | _            | -            | $\vdash$        |  |
| <u> </u>    | 27   | -            | ┝              | $\vdash$ | $\vdash$     | -  | -        | _            | $\vdash$     | Н               |  |
|             | 28   | $\vdash$     | -              | ┝        | ⊢            | -  | $\vdash$ | _            | -            | Н               |  |
| <b></b>     | 20   | $\vdash$     | -              | -        | $\vdash$     | -  | $\vdash$ | _            | -            | $\vdash$        |  |
| <del></del> | 30   | $\vdash$     | ⊢              | -        | H            | $\vdash$   | -        | $\vdash$     | -            | $\vdash \vdash$ |  |
| $\vdash$    | 30<br>31   | $\vdash$     | $\vdash$       | $\vdash$ | $\vdash$     | $\vdash$   | $\vdash$ | -            | i –          | $\dashv$        |  |
| $\vdash$    | 32   |              | ┢─             | $\vdash$ | ├            | $\vdash$   | ⊢        | <del></del>  | -            | Н               |  |
| <b> </b>    | 32<br>33   |              | -              | -        | $\vdash$     | $\vdash$   | $\vdash$ | $\vdash$     | $\vdash$     | $\vdash$        |  |
|             | 34   | $\vdash$     | ├              | -        | ├            | $\vdash$   | $\vdash$ | $\vdash$     | $\vdash$     | Н               |  |
|             | 35   | <del> </del> |                | $\vdash$ | -            | $\vdash$   | -        | $\vdash$     | -            | Н               |  |
| -           | 35<br>36   | ┝╌           |                | ├        | $\vdash$     | ├─   | $\vdash$ | $\vdash$     | ├-           | Н               |  |
| $\vdash$    | 37   | -            | -              | -        | $\vdash$     | $\vdash$   | $\vdash$ | $\vdash$     | $\vdash$     | $\vdash$        |  |
|             |  | $\vdash$     | ┢┈             | $\vdash$ | -            | ├  | $\vdash$ | $\vdash$     | ┝            | Н               |  |
| $\vdash$    | 38<br>39   |              | ├-             | $\vdash$ | $\vdash$     |  | -        | -            |              | Н               |  |
| <u> </u>    |  | $\vdash$     |                | -        | -            | -  | -        | $\vdash$     | -            | Н               |  |
| <u> </u>    | 40<br>41   | <del> </del> |                | $\vdash$ | $\vdash$     | <del>                                     </del> | $\vdash$ | <del> </del> | -            | Н               |  |
| <u> </u>    | 41   | $\vdash$     | $\vdash$       |          | <del> </del> | $\vdash$   | -        | ├—           | ├-           | Н               |  |
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| <u> </u>    | 43   |              | ⊢              | ⊢        |              | -  |          |              | _            | Н               |  |
| <u> </u>    | 44   | $\vdash$     | $\vdash$       | -        |              | $\vdash$   | -        | <del> </del> | <del> </del> | Н               |  |
|             | 45   |              | <del> </del> — | $\vdash$ | $\vdash$     | <del> </del>                                     | $\vdash$ | <u> </u>     | -            | Н               |  |
| <u> </u>    | 46   | -            |                | <u> </u> | <u> </u>     | <del> </del>                                     | ⊢        | $\vdash$     | <del> </del> | $\vdash \vdash$ |  |
|             | 47   | <u> </u>     |                |          | Ė            | <u> </u>   | <b> </b> | $\vdash$     | _            | Н               |  |
| ⊢           | 48   | $\vdash$     | <b>—</b>       | ├-       | <b> </b>     | _  | <u> </u> | ⊢-           | <del> </del> | Ш               |  |
| ļ           | 49   | L.           | <u> </u>       | <u> </u> | <u> </u>     | $\vdash$   |          | <u> </u>     | <u> </u>     | Ш               |  |
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|          | 51<br>52 | $\dashv$ |          |          | -            | -        |          |          |          |          |  |
| <u> </u> | 52       | _        |          |          | _            |          |          |          |          |          |  |
|          | 53       | _        |          |          |              |          |          |          |          |          |  |
| L        | 54       | _        |          |          |              |          |          |          |          |          |  |
|          | 55       |          |          |          |              |          |          |          |          |          |  |
|          | 56       |          |          |          |              |          |          |          |          |          |  |
|          | 57       |          |          |          |              |          |          |          |          |          |  |
|          | 58       |          |          |          |              |          |          |          |          |          |  |
|          | 59       |          |          |          |              |          |          |          |          |          |  |
|          | 60       |          |          |          |              |          |          |          |          |          |  |
|          | 61       |          |          |          |              |          |          |          |          |          |  |
|          | 62       |          |          |          |              |          |          |          |          |          |  |
|          | 62<br>63 | $\neg$   |          |          |              | $\Box$   |          |          |          |          |  |
|          | 64       |          |          |          |              |          |          |          |          |          |  |
|          | 65       |          |          |          |              |          |          |          |          | •        |  |
|          | 66       |          |          |          |              |          |          |          |          |          |  |
|          | 67       |          |          |          |              |          |          |          |          |          |  |
|          | 68       |          |          |          |              |          |          |          |          |          |  |
|          | 69       |          |          |          |              |          |          |          |          |          |  |
|          | 70       |          |          |          |              |          |          |          |          |          |  |
|          | 71       |          |          |          |              |          |          |          |          |          |  |
|          | 72       |          |          |          |              |          |          |          |          |          |  |
|          | 73       |          |          |          |              |          |          |          |          |          |  |
|          | 74       |          |          |          |              |          |          |          |          |          |  |
|          | 75       |          |          |          |              |          |          |          |          |          |  |
|          | 76       |          |          |          |              |          |          |          |          | •        |  |
|          | 77       |          |          |          |              |          |          |          |          |          |  |
| 1        | 78       |          |          | _        |              |          |          |          |          |          |  |
|          | 79       |          |          |          |              |          |          |          |          |          |  |
|          | 80       |          |          |          |              |          |          |          |          |          |  |
|          | 81       |          |          |          |              |          |          |          |          |          |  |
|          | 82       |          |          |          |              |          |          |          |          |          |  |
|          | 83       |          |          |          |              |          |          |          |          |          |  |
|          | 84       |          |          |          |              |          |          |          |          |          |  |
|          | 85       |          |          |          |              |          |          |          |          |          |  |
|          | 86       |          |          |          |              |          |          | oxdot    |          |          |  |
|          | 87       |          |          |          |              |          |          | L        |          | •        |  |
|          | 88       |          |          |          |              |          |          |          |          |          |  |
|          | 89       |          |          | ļ        |              | Ш        | L.       | L_       |          |          |  |
|          | 90       |          | Ш        | L        | L            | Ш        | L        | Ц.       | Ш        | _        |  |
|          | 91       |          |          | Ļ.,      |              |          |          | L        | Ш        |          |  |
|          | 92       |          |          | L        | Щ            | Ш        |          | <u> </u> | <u> </u> |          |  |
| ļ        | 93       |          | <u> </u> |          | <u> </u>     | L        | _        | oxdot    | Ш        |          |  |
|          | 94       | _        | <u> </u> | <u> </u> | $\vdash$     | ļ        | ļ        | <u> </u> | $\vdash$ | _        |  |
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|          | 96       | H        | <u> </u> | <u> </u> | $\vdash$     | <u> </u> | $\vdash$ | $\vdash$ | $\vdash$ | <u> </u> |  |
|          | 97       |          | <u> </u> | <u> </u> | <u> </u>     | _        | <u> </u> |          | _        |          |  |
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| Final        | Original  |      |  |   |  |          |          |              |          |          |  |  |
| -            | 101   |      |  |   |  |          |          |              |          |          |  |  |
|              | 102   |      |  |   |  |          |          |              |          |          |  |  |
|              | 103   |      |  |   |  |          |          |              |          |          |  |  |
|              | 103<br>104<br>105   |      |  |   |  |          |          |              |          |          |  |  |
|              | 105   |      |  |   |  |          |          |              |          |          |  |  |
|              | 106<br>107  | _    |  |   |  | _        |          |              |          | $\dashv$ |  |  |
|              | 107   |      | $\blacksquare$                                   | _ |  | -        |          |              |          |          |  |  |
|              | 100   |      |  | _ | _  |          |          |              | $\equiv$ |          |  |  |
|              | 110   |      |  |   |  |          |          | _            |          | $\dashv$ |  |  |
|              | 111   |      |  |   |  |          |          |              |          |          |  |  |
|              | 109<br>110<br>111<br>112<br>113   |      |  |   |  | ·        |          |              |          |          |  |  |
|              | 113   |      |  |   |  |          |          |              |          |          |  |  |
|              | 114   |      |  |   |  |          |          |              |          |          |  |  |
|              | 115   |      | Щ  |   |  |          |          |              | Ш        | Ш        |  |  |
|              | 114<br>115<br>116<br>117  | _    |  | _ | -  |          | ÷        |              | $\vdash$ | Н        |  |  |
|              | 117   |      |  |   | _  |          | $\vdash$ |              |          | Н        |  |  |
|              | 110   | _    | _  |   |  | _        |          |              | -        |          |  |  |
|              | 120   | -    | -  | _ |  |          |          |              |          | $\dashv$ |  |  |
|              | 121   |      | _  | _ |  |          |          | $\vdash$     |          | _        |  |  |
|              | 122   |      | -  |   | Г  | -        | -        | _            |          | _        |  |  |
|              | 123   |      |  |   |  |          |          |              |          |          |  |  |
|              | 124   |      |  |   |  |          |          |              |          |          |  |  |
|              | 125   |      |  |   |  |          |          |              |          |          |  |  |
|              | 126   |      |  |   | _  |          |          |              |          |          |  |  |
| <u> </u>     | 127   |      |  |   | <u> </u>   | _        |          |              |          |          |  |  |
| <u> </u>     | 128   | _    | $\vdash$   |   | <u> </u>   | -        |          | _            |          |          |  |  |
| <u> </u>     | 118<br>119<br>120<br>121<br>122<br>123<br>124<br>125<br>126<br>127<br>128<br>129<br>130 | _    | _  | _ | -  | -        |          |              |          |          |  |  |
| -            | 131   |      |  | _ | -  | -        | $\vdash$ | _            | -        | H        |  |  |
|              | 132   | _    |  | - | -  | $\vdash$ | $\vdash$ |              | -        |          |  |  |
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|              | 133<br>134  |      |  |   |  |          | Г        | П            | П        |          |  |  |
|              | 135   |      |  |   |  |          |          |              |          |          |  |  |
|              | 136<br>137  |      |  |   |  |          |          |              |          |          |  |  |
|              | 137   |      |  |   | _  | L        |          |              |          |          |  |  |
| <u> </u>     | 138<br>139  | _    |  | _ | <u> </u>   | <u> </u> | <u> </u> | <u> </u>     | $\vdash$ | L        |  |  |
|              | 139   | _    | H  | _ | ŀ–   | <u> </u> | <u> </u> |              | <u> </u> | Щ        |  |  |
|              | 140   | L    | H  | - | ┝  | $\vdash$ | -        |              | ├        | Н        |  |  |
|              | 142   |      | -  | - | $\vdash$   | H        | $\vdash$ | -            | <u> </u> | H        |  |  |
| <del> </del> | 143   |      | -  | - | <del> -</del>                                    | -        | $\vdash$ | <del> </del> | $\vdash$ | Н        |  |  |
| <b>-</b>     | 144   |      | ┢  | - | <del>                                     </del> | $\vdash$ | $\vdash$ | $\vdash$     | $\vdash$ | Н        |  |  |
|              | 145   | Т    | <del>                                     </del> |   | <u> </u>   |          | $\vdash$ | Т            |          | Г        |  |  |
|              | 146   |      |  |   |  |          |          |              |          |          |  |  |
|              | 147   |      |  |   |  |          |          |              |          |          |  |  |
| ļ            | 148   |      | $\Box$   |   | Ĺ  | $\Box$   |          | L            |          |          |  |  |
|              | 149   | L    | _  | _ | <u> </u>   | _        | _        | _            | <u> </u> | _        |  |  |
|              | 150   | _    |  | _ | l .  |          |          |              | l -      |          |  |  |